

RESIDENTIAL FIRE SPRINKLER (13D & 13R SYSTEMS) SUBMITTAL CHECKLIST

PERMIT SUBMITTAL REQUIREMENTS:

- 1. Three complete sets of plans and calculations (one set will be directed to the Fire Marshal's office for their review).**
- 2. Maximum size of plan sets: 42" long, 30" wide (bound edge), 5/8" thick. All pages in a plan set shall be uniformly sized.**
- 3. Completed Permit Application.**
- 4. All documents must be clearly legible for microfilming, each page consecutively numbered and stapled.**

The following information must be included on the plans:

1. Name of owner and occupant.
2. Location, including street address.
3. North arrow.
4. Ceiling construction.
5. Building sections.
6. Location of fire walls.
7. Location of partitions.
8. Use of each area or room.
9. Location and size of concealed spaces, attics, closets and bathrooms.
10. Any small enclosures in which no sprinklers are to be installed.
11. Size of City main in street, pressure and whether dead-end or circulating. If dead-end, direction and distance to nearest circulating main, City main tests results including elevation of test hydrant.
12. Make, manufacturer, type, heat-response element, temperature rating and nominal orifice size of sprinkler.
13. Temperature rating and location of high-temperature sprinklers.
14. Number of sprinklers on each riser, per floor.
15. Kind and location of alarm bells.
16. Type of pipe and fittings.
17. Type of protection for nonmetallic pipe.
18. Nominal pipe size with lengths shown to scale.
19. Location and size of riser nipples.
20. Type of fittings and joints.
21. Types and locations of hangers, sleeves, braces and methods of securing sprinklers, where applicable.
22. Cut sheet and model number for double check valve assembly, or riser diagram per Drawing Standard 5248. All control valves, check valves, drain pipes and test connections.

23. Underground pipe size, length, location, weight, material, point of connection to City main; the type of valves, meters and valve pits; and the depth at which the top of the pipe is laid below grade. This is required for all systems including combined domestic systems.
24. For hydraulically designed systems, a representation of the hydraulic data nameplate and its proposed location.
25. Certificate of competency stamp on each sheet and calculations.

APPLICABLE CODES AND REFERENCES

- International Fire Code (IFC), 2012 Edition & WAC 51-54
- International Energy Conservation Code, Residential (IECC) 2012 Edition, WAC 51-11R
- Automatic Fire Detection & Suppression System Ordinance No. 1902-92